Species Tag:	45011	Species Name:	AlOD
Version:	1		Aluminum deuteroxide,
Date:	Jan. 1996		X $^1\Sigma^+$
Contributor:	J. C. Pearson		
Lines Listed:	70	Q(300.0)=	441.449
Freq. (GHz) <	3675	Q(225.0)=	331.073
Max. J:	70	Q(150.0)=	220.759
LOGSTR0=	-8.0	Q(75.00)=	110.513
LOGSTR1=	-8.0	Q(37.50)=	55.416
Isotope Corr.:	-3.824	Q(18.75)=	27.874
Egy. (cm^{-1}) >	0.0	Q(9.375)=	14.107
μ_a =	1.040	A=	
μ_b =		B=	14187.9
μ_c =		C=	

The experimental measurements were reported by A. J. Apponi, W. L. Barclay, Jr. and L. M. Ziurys, 1993, Astrophys. J. **414**, L129. The dipole moment has been calculated to be 1.040 Debye by G. Vacek, B. J. DeLeeuw and H. F. Schaefer, 1993, J. Chem. Phys. **98**, 8704. Hyperfine structure will be observed at low J values, but was not included in this analysis.